



Flex Series

S-FLEX 6 II · 365-385W
MWT Mono PERC Flexible Module

21.8%

Module efficiency up to 21.8%

Features

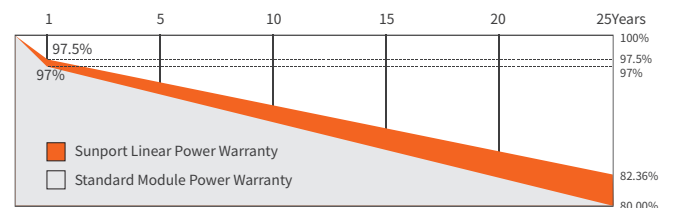
- Light, Thin design**
5.7kg weight, 2.5mm thickness, match various requirements for low-load projects
- Ultra Flexible**
Ultra-thin silicon wafers with advanced organic polymer encapsulation materials, minimum bending radius reach 0.30m, fit all kinds of curved surface perfectly
- High Efficiency And Reliability**
Busbar-free design increases cell conversion efficiency, more power output can be achieved at low irradiance conditions
- Customizable**
Customized design for different scenarios
- Convenient Installation**
Easy installation and convenient transportation with lower cost
- Lead-free**
Eco-friendly PV design achieves lead-free MWT module without soldering materials

Reinsurance Coverage for 25 Years

12 year
Quality
Warranty

25 year
Performance
Warranty

Insured by LLOYD'S
LLOYD'S



※1st year degradation less than 2.5%, 25 years power output 82.36% guaranteed.

Comprehensive Qualifications & Certifications

- ★ ISO 9001: 2015 Quality Management System
- ★ ISO 14001: 2015 Environment Management System
- ★ ISO 45001: 2018 Occupation Health Safety Management System



Electrical Characteristics at Standard Test Conditions(STC)

Spec/Model	Unit	SPP365QHES	SPP370QHES	SPP375QHES	SPP380QHES	SPP385QHES
Max-Power(Pm)	W	365	370	375	380	385
Power Tolerance	W			0~+5		
Max-Power Voltage(Vm)	V	34.9	35.1	35.3	35.5	35.7
Max-Power Current(I _m)	A	10.46	10.54	10.62	10.70	10.78
Open-Circuit Voltage(Voc)	V	42.4	42.6	42.8	43.0	43.2
Short-Circuit Current(I _{sc})	A	11.09	11.16	11.23	11.30	11.35
Effective Module Efficiency(η _m)	%	20.7	21.0	21.2	21.5	21.8

STC: AM=1.5, Irradiation 1000W/m², Module Temperature 25°C Power Tolerance ±3%

Electrical Characteristics at Nominal Module Operating Temperature (NMOT)

Spec/Model	Unit	SPP365QHES	SPP370QHES	SPP375QHES	SPP380QHES	SPP385QHES
Max-Power(Pm)	W	274	278	282	286	290
Max-Power Voltage(Vm)	V	32.8	33.0	33.2	33.4	33.6
Max-Power Current(I _m)	A	8.35	8.42	8.49	8.56	8.64
Open-Circuit Voltage(Voc)	V	39.9	40.1	40.3	40.5	40.7
Short-Circuit Current(I _{sc})	A	8.91	8.98	9.05	9.12	9.19

NMOT: Irradiation 800W/m², Ambient temperature 20°C, Wind Speed 1m/s

Temperature Coefficient

Nominal Module Operating Temperature	43±2°C
Temperature coefficient of P _{max}	-0.36%/°C
Temperature coefficient of Voc	-0.28%/°C
Temperature coefficient of I _{sc}	0.06%/°C

Operating Conditions

Max. system voltage	DC1500V(IEC)
Max. series fuse rating	18A
Operating temperature range	-40°C~+85°C

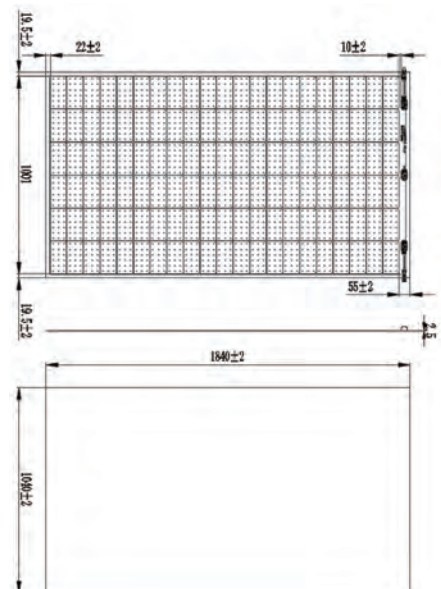
Mechanical Characteristics

Installation Module Dimension (L×W×H)	1840mmx1040mmx2.5mm
Weight	5.7 kg
Back material	Back Sheet(white)
Cell (quantity / material / type / dimensions)	126(21x6) / Mono / Half-cell
Encapsulant	POE
Frame	None
Junction box(Protection degree)	IP68
Cable (length/cross-section area)	Customizable / 4mm ²
Connector	Standard Solarplug
Bending radius	0.3m

Package

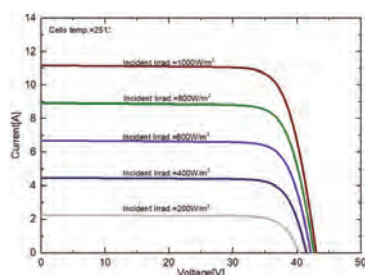
Transportation	Container Size	Quantity(pcs)	Quantity(per pallet)
Container	40' HQ	1104	46

Module Size

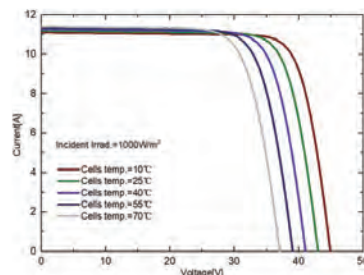


I-V Curve

I-V Curves of SPP375QHES at different irradiance



I-V Curves of SPP375QHES at different cell temperature



CERTIFICATE

TÜV NORD CERT GmbH
herewith declares that

Jiangsu Sunport Power Corp., Ltd.
No.20, Xishi Road, Xinwu District,
Wuxi City, Jiangsu Province, 214028
P.R. China

is authorized to provide the product mentioned below with the mark as illustrated:

Description of product (details see Annex 2):

Flexible PV module with 6" Mono-crystalline MWT Solar Cells



Valid from: 2020-08-05

Valid until: 2025-08-04

Tested according to: IEC / EN 61215-1:2016;
IEC / EN 61215-1-1:2016;
IEC 61215-2:2016 / EN 61215-2:2017 + AC:2017 + AC:2018;
IEC 61730-1:2016 / EN IEC 61730-1:2018 + AC:2018;
IEC 61730-2:2016 / EN IEC 61730-2:2018 + AC:2018.

Registered No.: 44 780 20 406749 - 145
Manufacturer: see Annex 1
Test Report No.: 492011490.001
File No.: SHV09035/19



TÜV NORD CERT GmbH
Certification Body
Consumer Products



Essen, 2020-08-05

Please also pay attention to the information stated overleaf.

Manufacturer:

Manufacturer 1: **Nanjing Sunport Power New Energy Co., Ltd.**
No.28-10, Lanhua Road, Qiaolin Industrial Park, Pukou District,
Nanjing City, Jiangsu Province, 211806,P.R. China

Factory inspection report no.: 862010246.006

Manufacturer 2: **Xuzhou Sunport Power Co. Ltd.**
No.1, Fumin Road, High-tech Industrial Development Zone
Pizhou, Jiangsu Province, P.R. China

Factory inspection report no.: 862010357.004

Manufacturer 3: **Wuxi Sunport Power Co. Ltd.**
No.12 Xinhua Road, WND,
Wuxi City, Jiangsu Province, 214028, P.R. China

Factory inspection report no.: 862010442.002

Remark:

Factory inspection is mandatory to be performed annually. Please refer to factory inspection report for detailed information.



TÜV NORD CERT GmbH
Certification Body
Consumer Products

Description of product(s):

Module types:	Flexible PV module with 6" Mono-crystalline MWT Solar Cells: 60 cells: SPPXXXM60S(XXX=305-320W in increments of 5)
Maximum system voltage:	1500V
Fuse rating:	15A
Electrical protection class:	Class II
Pollution degree:	1
Material group:	I
Design load (positive / negative):	1600Pa / 1600Pa*
Safety factors:	1.5
Fire safety class:	Class C according to ANSI/UL 1703-2018 (as per ANSI/UL 790-2018)

Remark:

For detailed product information, please refer to CDF (Constructional Data Form) in Annex 1 of test report.

*Installation method should be added a supporting plate on the back of modules using double-sided tape or industrial structural adhesive, details please refer to installation manual.



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